

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Bin Liu et al	Examiner:	N/A
Application No.:	10/057,831	Group Art Unit:	
Filed:	1-23-2002	Docket No.:	STL10077
Title:	Enhanced Interleave Type Error Correction Method And Apparatus		

## BOX MISSING PARTS

Assistant Commissioner for Patents  
Washington, D.C. 20231

## CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that all papers identified below are being deposited in the United States Postal Service, as First Class mail, in an envelope addressed to: BOX MISSING PARTS, Assistant Commissioner for Patents, Washington, D.C. 20231 on March 26, 2002.

*Rhonda Carl*  
Rhonda Carl

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION*Filing Date Granted*

Sir or Madam:

In response to the Notice to File Missing Parts of Application - Filing Date Granted - mailed March 13, 2002, Assignee of Entire Interest encloses the documents listed below to complete the above-identified patent application filed

1. Copy of Notice to File Missing Parts Application - Filing Date Granted (1 page);
2. Response to Notice to File Missing Parts of Application (1 page);
3. Executed Declaration (4 pages); Executed Assignment (2 pages)
4. Recordation Form Cover Sheet ( 1 page);
5. Power of Attorney by Assignee (1 page);
6. Fee Transmittal (1 page) in duplicate
7. Return Postcard (1 page)

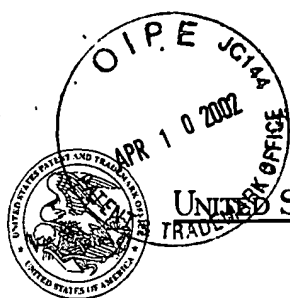
The Commissioner is authorized to charge the \$130.00 large entity fee required under 37 C.F.R. 1.16(e), the \$40.00 under 37 C.F.R. 1.21(h), and any additional fees associated with this paper or credit any overpayment to Deposit Account No. 19-1038. A duplicate of this communication copy (for Deposit Account purposes) is enclosed.

Respectfully submitted,

SEAGATE TECHNOLOGY LLC  
(Assignee of the Entire Interest)

3-26-02  
Date

*Kirk A. Cesari*  
Kirk A. Cesari, Reg. No. 47,479  
Seagate Technology LLC.  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/057,831	01/23/2002	Bin Liu	STL10077

CONFIRMATION NO. 1548

## FORMALITIES LETTER



\*OC000000007632269\*

Kirk A. Cesari  
Seagate Technology LLC  
1280 Disc Drive - SHK2LG  
Shakopee, MN 55379

Date Mailed: 03/13/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

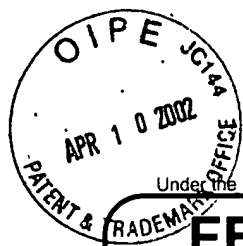
An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$330.
  - \$162 for 9 total claims over 20.
  - \$168 for 2 independent claims over 3 .
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 1200.**

*A copy of this notice **MUST** be returned with the reply.*

H. Truong  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$942.00)

**Complete if Known**

Application Number	10/057,831
Filing Date	January 23, 2002
First Named Inventor	Bin Liu et al
Examiner Name	
Group Art Unit	
Attorney Docket No.	STL10077

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

19-1038

Seagate Technology LLC

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee  
to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$740.00)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
29	5		-20** = 9	X 18 =	162
			-3** =	X	

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$162.00)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$40.00)

**SUBMITTED BY**

Name (Print/Type)

Kirk A. Cesari

Registration No.  
(Attorney/Agent)

47,479

**Complete (if applicable)**

Telephone

1-952-402-3534

Signature

Date

March 26, 2002

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.